


## INTRODUCTION

TECNOLOGIA TOTAL MMO ribbon anodes are made with titanium substrate that complies with ASTM B265 Grade I, and are coated with mixed metal oxide (Ir / Ta), with the following dimensions:

Width	:	6.35mm
Thickness	:	0.635mm
Standard roll length	:	152.4 meter
Roll dispatch weight	:	2.8kg

ASTM B265 GRADE I ALLOY	
C%	0.08 max
Fe%	0.20 max
N%	0.03 max
O%	0.18 max
H%	0.015 max
Others (Individual)	0.10 max
Others (Total)	0.40 max
Ti	Balance

## CHARACTERISTICS

MMO RIBBON CHARACTERISTICS	
<b>Application</b>	Sand and concrete
<b>Shape</b>	
<b>Substrate</b>	ASTM B265 grade 1 titanium
<b>Coating</b>	IrO <sub>2</sub> /Ta <sub>2</sub> O <sub>5</sub>
<b>Coating method</b>	Multi-step thermal decomposition technique of precious metal salts
<b>Width (nominal)</b>	0.25" (6.35 mm)
<b>Thickness (nominal)</b>	0.025" (0.635 mm)

## LIFE TIME

DENSITY <i>mA/meter</i>	LIFE TIME <i>Years</i>
42.0	20
30.0	30
22.0	40
17.0	50

Previous densities were calculated using both sides of the ribbon.

For any technical questions regarding which anode you should use for your application, let us support you by contacting our technical sales department.

We have NACE certified cathodic protection professionals ready to support you.

## NOTES

- Dimensions and weight may vary slightly, weight may change by  $\pm 2\%$ .
- We have anodes in different configurations according to customer needs.
- We manufacture anodes in any required weight and configuration, please indicate weight and dimensions of the required prepackaged anode.

The anodes we supply come with a manufacturer's quality certificate, they're delivered once the anodes are built, TECNOLOGIA TOTAL guarantees that all its products will meet the specified requirements.

## WARRANTY AND LIMITATION OF LIABILITY

*TECNOLOGIA TOTAL will not be in any case responsible for damages of any nature that could be derived from an inadequate use of the product. Before using the product, the user must determine if the product is suitable for its intended use, taking all risks and liability that could be derived from its use.*

*If it's proved that a product is faulty due to manufacturing or its material at the time of sale, or that it does not fulfill during its warranty period the indicated properties in this technical sheet, the only responsibility of TECNOLOGIA TOTAL will consist of replacing the buyer with the quantity of product that is found to be defective. TECNOLOGIA TOTAL does not take any responsibility for any additional cost such as manufacturing cost, withdrawal or re-application of the products. If TECNOLOGIA TOTAL offers a warranty to their clients, express or implicit, or a compensation that differs from the established in this section, this stipulation can not be altered unless a signed agreement by the parties.*

